

## **MD iMAP Technical Committee Meeting Minutes for October 2020**

Place: On-Line Only Attendance due to COVID19 Social Distancing

Date: 10/06/2020; Time: 1:00PM – 2:00PM

Phone Attendees: Kevin Coyne (DNR); John Lesko (DoIT); Lisa Lowe (DoIT), Conrad Schaefer (DoIT), Susan Hmel (DoIT), Darren Lloyd (DoIT), J.B. Churchill (DoIT), Gary Maragos (MDP), Leah Visakowitz (McCormick Taylor), Kate Majchrzak (MDE), Rowland Agbede (MDA), Jason Keppler (MDA), Brad Wolters (DHCD), Bill Fearington (DHS), Jason Ramsey (JMT), Scott Hansen (MDP), Jonathan Austin (GPI), and Craig Sheldon.

### **Agenda**

#### ***Introductions***

#### ***Maryland Enterprise Software & MD iMAP 3.0 Update – John Lesko***

- DoIT continues working to support other agencies in the response to COVID-19:
  - The GIO team continues to support a COVID-19 ArcGIS Hub site to provide support to MDH during response. (visit <https://coronavirus.maryland.gov/>)
  - GIO team continues to work with MDH, MEMA SEOC and GIS Desk for map and dashboard updates related to COVID Cases reported for the counties. MEMA has been responsible for updating daily numbers on the ArcGIS Dashboard.
  - Upgrades and additions to the Hub site include the following:
  - To track the Percent of the Population tested for COVID-19 by County, GIO developed this chart. The aim of the color coding is to show each County's progress in having 10% of their population tested. 24 of 24 counties have achieved the 10% level. Note that Somerset County continues to lead the Counties in the present of population tested (36.4% September vs. 30.7% August); Cecil County has tested (18% September vs. 13.9% August) of its residents tested. This chart is updated daily.
  - MDH/GIO continues to support Maryland covidLINK Community Contact Tracing Performance Measures. The site has been updated with new charts and graphics.
  - GIO continues to develop a Community Contact Tracing page. Contact tracing is a public health tool professionals use to identify and help break disease transmission chains, keeping people and populations safer from disease spread. DOIT analysts plan to utilize several ESRI software products including ArcGIS Pro, ArcSurvey123 and Insights. In addition, DOIT is contracting with ESRI for professional service to assist in the development of this page.

- GIO posted new bar charts and pie charts reflecting Weekly Cases Reached and Interviewed and Weekly Contacts Reached and Interviewed. The dashboard and charts were created with HighCharts java script. The left pie chart is tracking Social Gatherings of more than 10 people. The middle pie chart is tracking High Risk Locations and the right pie chart is tracking employment.
- The functionality of the pie charts allows additional information to be garnered by users. By hovering or selecting the light blue pie chart segment, additional bar charts are displayed. For social gatherings, the leading event was a “Family Gathering” followed by a house party. Work outside of the home was the leading category for High Risk Locations, followed by indoor dining at a restaurant. Those in the Healthcare professions reported the highest number of cases.
- The COVID-19 Under 35 years old vs. Over 35 years old chart tracks the number of cases reported by these two age groups. DOIT is currently working on another visualization of this data to make easier for consumption.
- The 7 Day Moving Average per 100K by Jurisdiction (Counties) is an important indicator being used in the decision to reopen schools. The Governor’s office and the Maryland State Department of Education are utilizing this metric, among others, to help local school districts determine methods for instruction whether it be in person or on-line.
- The Roadmap to Recovery Reopening the Counties was modified. Four jurisdictions remain at Phase Two while the other jurisdictions have progressed to Phase Three. This map will be updated as per the Governor’s and County executive directives.
- Based on the state’s improving health metrics, local school systems are urged to reevaluate their modes of instruction at the end of the first quarter. MDH and MSDE have presented county-specific benchmarks to guide conversations among local officials regarding in-person instruction. They are based on metrics that, taken together, reflect the levels of community transmission, including test positivity and case rates.
- The testing site continues to be one of the busiest pages. The site was re-designed and is a central repository for testing information and announcements.

### ***Drone Technology and Project Support– Jonathan Austin; GPI Project Manager***

- Jonathan began his presentation with a short introduction to GPI;
- Jonathan is a project manager working with drone and mobile lidar acquisition.
- Drone usage is considered for projects less than or equal to 100 acres;
- GPI used a drone for Construction Inspection; easier for drone to fly over the construction site and provide inspectors with views not easily available;
- Drones obtaining imagery and not lidar. GPI does not have drone lidar capability;
- Drone Imagery used for planimetric mapping and surface modeling and volumetric calculations;
- Drone used for environmental monitoring;

### ***MD iMAP 3.0 Update – John Lesko***

- Over the past several months, GIO has undertaken an initiative to better monitor and manage the State's AGOL platform. ArcGIS Admin Tools do not provide adequate information to efficiently manage accounts. As a result, GIO, is creating an in-house monitoring application that is run on a monthly schedule. The purpose of updating our ArcGIS Online Monthly User Cleanup Process was to move away from a time consuming and tedious process using the ArcGIS Online Admin Tool. The Admin Tool output was a csv with inconsistent date fields (4 types) causing the auditor to spend time parsing out the date. We also found inconsistent records between the user interface and output csv.
- GIO was contacted by Jake Lloyd on behalf of SHA to have the "Roadway Posted Speed Limits" layer removed. This layer is no longer the authoritative layer and is being replaced by another ArcGIS Online hosted feature layer. GIO will make this known to the public via Twitter and announced at this iMap Technical committee meeting. Additional announcements will be made as we get closer to the September 2021 date of removal from MD iMAP.
- ESRI will be enforcing the use of HTTPS for all ArcGIS Online organizations beginning on Tuesday, Dec. 8, 2020. On Monday, November 2, 2020 at 9:00 PM, DOIT GIO will be enforcing HTTPS on the Maryland GeoShare organization.
- The Maryland Department of Natural Resources (DNR) is migrating to the GIS platform. A SOW has been submitted to reflect that the DNR environment will be upgraded to version 10.7.1 and move the DNR environment to new servers within the DoIT environment.
- The Maryland Transportation Authority is upgrading the software on their development and production servers. MDTA upgraded to Arcgis Server Advanced (vers. 10.7 to vers 10.8) for the staging and production servers. In addition, upgrades for Portal, DataStore, WebAdaptor, ArcMAP Advanced and ArcGIS Data Reviewer were provided.
- The Maryland Transit Administration is upgrading the software on their development and production servers. MTA upgraded to ArcGIS Server Advanced (vers. 10.5 to vers 10.8) for the staging and production servers.

- The Maryland Department of Transportation/State Highway Administration is upgrading the software on their production servers (SHAGBAG4 AND SHAGBAGI). MTA upgraded to ArcGIS Server Advanced (vers. 10.6.1 to vers 10.8.1) for the production servers. In addition, SHA requested an upgrade for the Roads and Highways Extension to vers. 10.8.1 and for the DMZ license to 10.8.1.

### ***Subcommittee Updates***

#### **Training – Lisa Lowe**

- Two new online training courses have been added to the MD iMAP Portal
  - [Intermediate ArcGIS Online and MD iMAP](#)
  - [ArcGIS Collector](#)

#### **Centerlines – Marshall Stevenson**

- No update provided

#### **Composite Locator – Lisa Lowe**

- The Composite Locator has not been updated yet this quarter because of some issues with the address data. Once these issues are fixed, the composite locator will be updated. Testing of the composite locator in ArcGIS Pro will be done again because of Esri's deprecation of the Create Address Locator tool.

#### **Imagery – Lisa Lowe**

- AECOM and the counties are in the process of reviewing the imagery. As the reviews are completed, Sanborn will be correcting the imagery based on the calls. The imagery will then be shipped to AECOM for one final review prior to shipping to DoIT.

#### **Lidar – John Lesko**

- Howard County lidar data was delivered to ESRGC and they have been authorized to begin processing the data. They will process the DEMS to generate:
  - 1) Aspect (m)
  - 2) DEM (m)
  - 3) DEM (us ft)
  - 4) Hillshade (m)
  - 5) Shaded Relief (rgb)
  - 6) Slope (m)

DOIT is also working to acquire the Prince George's County Lidar to begin processing that data set.

### ***Action Items***

- None identified

### ***Additional Business***

- Gary Maragos (MDP) provided an update for the MDP project generating points and polygons for State parcels. Cecil County data is now available. Frederick County and Baltimore City remain to be added to complete the State.
- There was a schema change in the services for parcel points and polygons. The Select Tool in online mapping applications will need to be reconfigured to work with the changed schema.
- The tax map service was missing some towns and other 1:200 scale maps. Lisa Lowe is republishing.